



PTO/SB/21 (09-04)

Approved for use through 07/31/2006.

U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE
Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.TRANSMITTAL
FORM

(to be used for all correspondence after initial filing)

Total Number of Pages in This Submission	Attorney Docket Number	I-1-0065.10US
------------------------------------------	------------------------	---------------

ENCLOSURES (Check all that apply)

<input type="checkbox"/> Fee Transmittal Form <input type="checkbox"/> Fee Attached	<input type="checkbox"/> Drawing(s) <input type="checkbox"/> Licensing-related Papers	<input type="checkbox"/> After Allowance Communication to TC <input type="checkbox"/> Appeal Communication to Board of Appeals and Interferences <input type="checkbox"/> Appeal Communication to TC (Appeal Notice, Brief, Reply Brief) <input type="checkbox"/> Proprietary Information <input type="checkbox"/> Status Letter <input checked="" type="checkbox"/> Other Enclosure(s) (please identify below):
<input type="checkbox"/> Amendment/Reply <input type="checkbox"/> After Final <input type="checkbox"/> Affidavits/declaration(s)	<input type="checkbox"/> Petition <input type="checkbox"/> Petition to Convert to a Provisional Application <input type="checkbox"/> Power of Attorney, Revocation <input type="checkbox"/> Change of Correspondence Address <input type="checkbox"/> Terminal Disclaimer <input type="checkbox"/> Request for Refund <input type="checkbox"/> CD, Number of CD(s) _____	<input type="checkbox"/> Form PTO-1449 and 2 <input type="checkbox"/> References Cited.
<input type="checkbox"/> Extension of Time Request	<input type="checkbox"/> Landscape Table on CD	
<input type="checkbox"/> Express Abandonment Request		
<input checked="" type="checkbox"/> Information Disclosure Statement	<input type="checkbox"/> Remarks	
<input type="checkbox"/> Certified Copy of Priority Document(s)		
<input type="checkbox"/> Reply to Missing Parts/Incomplete Application <input type="checkbox"/> Reply to Missing Parts under 37 CFR 1.52 or 1.53		

SIGNATURE OF APPLICANT, ATTORNEY, OR AGENT

Firm Name	VOLPE AND KOENIG, P.C.		
Signature			
Printed name	Steven J. Gelman		
Date	5-18-2006	Reg. No.	41,034

CERTIFICATE OF TRANSMISSION/MAILING

I hereby certify that this correspondence is being facsimile transmitted to the USPTO or deposited with the United States Postal Service with sufficient postage as first class mail in an envelope addressed to: Mail Stop Amendment, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450 on the date shown below:

Signature	
Typed or printed name	Steven J. Gelman
Date	5-18-2006

This collection of information is required by 37 CFR 1.5. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.11 and 1.14. This collection is estimated to 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 and select option 2.



PATENT

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In the PATENT APPLICATION of:

Bolgiano et al.

Application No.: 10/663,240

Our File: I-1-0065.10US

Date: May 18, 2006

Confirmation No.: 3692

Filed: September 16, 2003

For: LOCATING A WIRELESS USER

Group: 2663

Examiner: Not Known

INFORMATION DISCLOSURE STATEMENT

Mail Stop Amendment
Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Sir:

Further to Applicants' Duty of Disclosure pursuant to 37 C.F.R. §1.56, Applicants wish to bring to the Examiner's attention the material cited on the enclosed PTO-1449 form. Newly cited documents are indicated by an asterisk (*). Copies of the cited documents are enclosed.

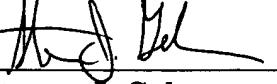
Pursuant to 37 C.F.R. § 1.97(e)(2), the undersigned certifies that no item of information contained in this Information Disclosure Statement was cited in a communication from a foreign patent office in a counter part foreign application, and, to the knowledge of the person signing the certification, after making reasonable inquiry, no item of information contained in the Information Disclosure Statement was

known to any individual designated in § 1.56(c) more than three months prior to the filing of this Information Disclosure Statement.

It is respectfully requested that the Examiner consider these documents and return an initialed copy of the PTO-1449 form indicating his consideration of the cited materials.

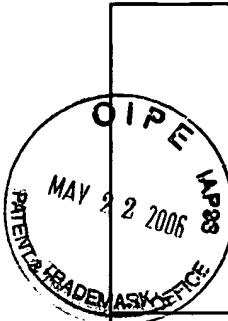
Respectfully submitted,

Bolgiano et al.

By 
Steven J. Gelman
Registration No. 41,034
(215) 568-6400

Volpe and Koenig, P.C.
United Plaza, Suite 1600
30 South 17th Street
Philadelphia, PA 19103

SJG/akg
Enclosures (2)



FORM PTO-1449			ATTY. DOCKET NO. I-1-0065.10US	SERIAL NO. 10/663,240
U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE			APPLICANT Bolgiano et al.	
INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Use several sheets if necessary)			FILING DATE September 16, 2003	GROUP 2664

U.S. PATENT DOCUMENTS

EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
	4,081,748	03/1978	Batz			
	4,099,121	07/1978	Fang			
	4,128,809	12/1978	Kage			
	4,426,712	01/1984	Gorski-Popiel			
	4,530,087	07/1985	Yamamoto			
	4,599,734	07/1986	Yamamoto			
	4,644,351	02/1987	Zabarsky			
	4,675,863	06/1987	Paneth et al.			
	4,780,885	10/1988	Paul et al.			
	4,799,252	01/1989	Eizenhoffer et al.			
	4,901,307	02/1990	Gilhousen et al.			
	5,043,736	08/1991	Darnell et al.			
	5,046,066	09/1991	Messenger			
	5,058,200	10/1991	Dornstetter et al.			
	5,081,643	01/1992	Schilling			
	5,097,484	03/1992	Akaiwa			
	5,101,501	03/1992	Gilhousen et al.			
	5,103,459	04/1992	Gilhousen et al.			
	5,109,390	04/1992	Gilhousen et al.			
	5,155,689	10/1992	Wortham			
	5,166,951	11/1992	Schilling			
	5,203,018	04/1993	Hilrose			
	5,208,756	05/1993	Song			
	5,218,367	06/1993	Sheffer et al.			
	5,218,618	06/1993	Sagey			
	5,193,101	09/1993	McDonald et al.			

EXAMINER	DATE CONSIDERED

EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

FORM PTO-1449 U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Use several sheets if necessary)		ATTY. DOCKET NO. I-1-0065.10US	SERIAL NO. 10/663,240
		APPLICANT Bolgiano et al.	
		FILING DATE September 16, 2003	GROUP 2664

U.S. PATENT DOCUMENTS

EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
	5,223,844	06/1993	Mansell et al.			
	5,260,943	11/1993	Comroe et al.			
	5,260,967	11/1993	Schilling			
	5,280,472	01/1994	Gilhousen et al.			
	5,289,499	02/1994	Weerackody			
	5,289,527	02/1994	Tiedemann, Jr.			
	5,305,353	04/1994	Weerackody			
	5,321,696	04/1994	Buchholz et al.			
	5,323,384	06/1994	Norwood			
	5,347,535	09/1994	Karasawa et al.			
	5,365,516	11/1994	Jandrell			
	5,367,539	11/1994	Copley			
	5,371,734	12/1994	Fischer			
	5,371,780	12/1994	Amitay			
	5,430,769	07/1995	Patsiokas et al.			
	5,479,488	12/1995	Seshadri			
	5,483,244	01/1996	Grube et al.			
	5,483,668	01/1996	Malkamaki et al.			
	5,513,176	04/1996	Dean et al.			
	5,533,011	07/1996	Dean et al.			
	5,533,013	07/1996	Leppanen			
	5,584,057	12/1996	Dent			
	5,614,876	03/1997	Bolgiano et al.			
	5,625,876	04/1997	Gilhousen et al.			

EXAMINER	DATE CONSIDERED

EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

FORM PTO-1449		ATTY. DOCKET NO. I-1-0065.10US	SERIAL NO. 10/663,240
U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE		APPLICANT Bolgiano et al.	
INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Use several sheets if necessary)		FILING DATE September 16, 2003	GROUP 2664

FOREIGN PATENT DOCUMENTS

	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION	
						YES	NO
	0528090	02/1993	EP				
	2237706	05/1991	GB				
	2259430	03/1993	GB				
	H02-3007	01/1990	JP			X	
	H06-97914	09/1991	JP			X	
	S53-109328	08/1978	JP			X	
	92/10890	06/1992	WO				
	93/06669	04/1993	WO				

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

	Edited by William C. Jakes, Jr., "Microwave Mobile Communications," Bell Telephone Laboratories, North Andover, MA, pgs. 309-323 and 535-541, 1974.
	Kavehrad et al., "Direct-Sequence Spread Spectrum with DPSK Modulation and Diversity for Indoor Wireless Communications," IEEE, pgs. 224-236, 1987.
	Pickholtz et al., "Field Tests Designed to Demonstrate Increased Spectral Efficiency for Personal Communications," IEEE Globecom, pgs. 878-882, 1991.
	Schilling et al., "Spread Spectrum for Commercial Communications," IEEE Communications Magazine, Vol. 29, Issue 4, pgs. 66-79, April 1991.
	Schilling et al., "PCN Field Test Experiments Using Broadband-CDMA," IEEE, pgs. 321-324, December 1991.
	Kauffman et al., "Digital Spread-Spectrum Multipath-Diversity Receiver for Indoor Communications," IEEE, pgs. 1038-1041, 1992.
	Esmailzadeh et al., "Direct Sequence Spread Spectrum Communication in Selection Diversity Channels by Time Division Duplex Technique," IEEE, pgs. 345-348, 1992.
	Xiang et al., "TDM/CDMA VSAT Network Integrating Voice/Data Service And Its Operation Management," IEEE, pgs. 476-480, 1992.
	Jack H. Winters, The Diversity Gain Of Transmit Diversity In Wireless Systems With Rayleigh Fading, New Orleans, May 1, 1994, New York, IEEE, US, pgs. 1121-1125.

EXAMINER	DATE CONSIDERED
----------	-----------------

EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

FORM PTO-1449 U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Use several sheets if necessary)		ATTY. DOCKET NO. I-1-0065.10US	SERIAL NO. 10/663,240
		APPLICANT Bolgiano et al.	
		FILING DATE September 16, 2003	GROUP 2664

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

	Ghassmzadeh et al., "Indoor Propagation and Fading Characterization of Spread Spectrum Signal at 2 GHz," IEEE, pgs. 56-60, 1992.
	Erceg et al., "Urban/Suburban Out-of-Sight Propagation Modeling," IEEE Communications Magazine, pgs. 56-61, June 1992.
	Whang et al., Performance Evaluation of a Direct-Sequence Spread-Spectrum Multiple-Access with Microscopic and Macroscopic Diversity in Mobile Radio Environment, IEEE, pgs. 803-806, 1993.
	Seshadri et al., "Two Signaling Schemes For Improving The Error Performance Of Frequency-Division-Duplex (FDD) Transmission Systems Using Transmitter Antenna Diversity," Secaucus, NJ, New York, IEEE, US, pgs 508-511, May 18, 1993.
	Seshadri et al., "Advanced Techniques For Modulation, Error Correction, Channel Equalization, And Diversity," AT&T Technical Journal, US, American Telephone and Telegraph Co., New York, Vol. 72, No. 4, pgs. 48-63, July 1, 1993.
	"Ultraphone, System Description GP110," InterDigital Communications Corporation, pgs. 1-17, October 1993.
	"Ultraphone, System Technical Specification GP130, Interdigital Communications Corporation, pgs. 1-12, January 1994.
	Blanz et al., "Performance of a Cellular Hybrid C/TDMA Mobile Radio System Applying Detection and Coherent Receiver Antenna Diversity, IEEE, pgs. 568-579, May 1994.
	Esmailzadeh et al., "Quasi-Synchronous Time Division Duplex CDMA, IEEE, pgs. 1637-1641, 1994.
	Azad et al., "Multirate Spread Spectrum Direct Sequence CDMA Techniques", The Institution of Electrical Engineers, 1994, pp. 4/1-4/5.
	"Mobile Station-Base Station Compatibility Standard for Dual-Mode Wideband Spread Spectrum Cellular System", TIA/EIA/IS-95-A, TIA Interim Standard, May 1995
	Seshadri et al., Advances Techniques For Modulation, Error Correction, Channel Equalization, And Diversity, AT&T Technical Journal, US, American Telephone and Telegraph Co., New York, Vol. 72, No. 4, July 1, 1993, pgs. 48-63
*	Naguib et al., "Performance of CDMA Cellular Networks With Base-Station Antenna Arrays: The Downlink", IEEE Internal Conference on Communications, May 1994, Vol. 2, pgs. 795-799.
*	Gerlach et al., "Base Station Transmitter Antenna Arrays With Mobile to Base Feedback", IEEE 1993 Conference Record of the Twenty-Seventh Asilomar Conference on Signals, Systems, and Computers, November 1993, Vol. 2, pgs. 1432-1436.
EXAMINER	DATE CONSIDERED

EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.